

Appendix table 6-11.

Percentage of Federal academic research obligations provided by major agencies, by field: FY 1997

Field	Six Agency total	National Science Foundation	National Aeronautics & Space Administration	Department of Defense	Department of Energy	Department of Health & Human Services	Department of Agriculture
TOTAL SCIENCE & ENGINEERING	100.0	16.9	5.5	8.8	5.1	59.7	4.1
Total sciences	100.0	14.7	5.2	5.8	4.9	65.2	4.3
Physical sciences	100.0	33.8	19.1	9.0	27.8	8.2	2.3
Astronomy	100.0	23.2	76.7	0.1	0.0	0.0	0.0
Chemistry	100.0	36.9	3.5	11.6	13.4	27.0	7.7
Physics	100.0	24.1	11.7	10.5	53.0	0.6	0.0
Other	100.0	77.2	15.0	7.3	0.6	0.0	0.0
Mathematics	100.0	66.5	0.9	18.4	6.1	8.1	0.2
Computer sciences	100.0	43.7	4.8	48.3	0.5	2.6	0.0
Environmental sciences	100.0	46.0	25.8	14.5	10.4	2.5	0.7
Atmospheric sciences	100.0	32.4	46.6	9.6	9.4	0.0	2.1
Earth sciences	100.0	65.6	12.2	5.1	16.8	0.0	0.4
Oceanography	100.0	69.1	5.4	23.6	1.9	0.0	0.0
Other	100.0	9.6	40.2	16.5	20.1	13.5	0.0
Life sciences	100.0	4.4	0.9	1.5	1.1	87.1	5.1
Agricultural sciences	100.0	0.0	0.4	0.8	0.0	0.0	98.8
Biology (excluding environmental) ..	100.0	6.1	0.8	1.1	1.2	88.3	2.6
Environmental biology	100.0	50.7	0.6	3.5	0.0	0.0	45.2
Medical sciences	100.0	0.0	0.2	2.0	1.2	96.3	0.3
Other	100.0	0.0	11.0	0.6	0.2	88.2	0.0
Psychology	100.0	1.5	1.8	7.3	0.0	89.5	0.0
Biological aspects	100.0	0.0	0.0	59.7	0.0	40.3	0.0
Social aspects	100.0	30.4	1.1	32.5	0.0	36.0	0.0
Other	100.0	0.0	2.0	0.4	0.0	97.6	0.0
Social sciences	100.0	37.9	0.1	0.0	0.0	35.4	26.5
Anthropology	100.0	99.7	0.0	0.0	0.0	0.3	0.0
Economics	100.0	24.3	0.0	0.0	0.0	2.1	73.5
Political science	100.0	100.0	0.0	0.0	0.0	0.0	0.0
Sociology	100.0	31.5	0.4	0.1	0.0	5.0	63.1
Other	100.0	36.9	0.1	0.0	0.0	62.9	0.0
Other sciences	100.0	27.8	7.4	1.3	1.9	61.7	0.0
Total engineering	100.0	38.2	9.3	38.7	7.2	4.8	1.8
Aeronautical	100.0	0.0	69.6	30.4	0.0	0.0	0.0
Astronautical	100.0	0.0	64.8	35.2	0.0	0.0	0.0
Chemical	100.0	61.0	2.8	9.8	25.9	0.0	0.4
Civil	100.0	80.0	0.5	12.4	7.0	0.0	0.1
Electrical	100.0	28.3	5.6	64.6	1.4	0.0	0.0
Mechanical	100.0	9.1	12.6	65.2	13.1	0.0	0.0
Materials	100.0	40.3	4.6	45.5	9.5	0.0	0.0
Other	100.0	45.4	4.2	26.2	4.4	14.4	5.4

NOTES: Academic research includes both basic and applied research. The six agencies shown are the only ones that report their research obligations to academia by science and engineering field; they represent approximately 96 percent of academic research obligations.

SOURCES: National Science Foundation, Division of Science Resources Studies (NSF/SRS), *Federal Funds for Research and Development: Fiscal Years 1997, 1998, and 1999, Detailed Statistical Tables*, Vol. 47, NSF 99-333 (Arlington, VA: 1999); and NSF, annual series.

See figure 6-8 in Volume 1.

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